



B&H BIOTECHNOLOGY CO., LTD.

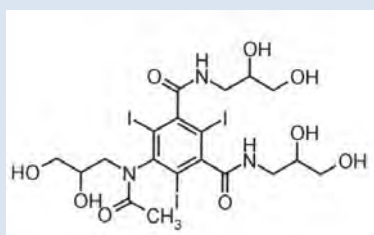
必致生物科技有限公司



Detailed Information About The Series Of Nonionic Contact Agent

1 Iohexol **BEST SELLER**

Structural Formula:



Molecular Formula: $C_{19}H_{26}I_3N_3O_9$

Molecular Weight: 821.14

CAS NO.: 66108-95-0

Packing: Outer package: Iron, plastic or fiber drum;

Inner package: Polyethylene bag;

Net weight: 25kg/drum

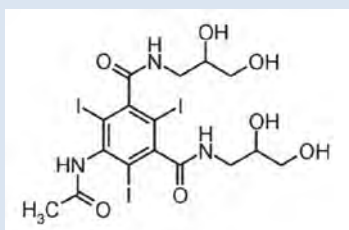
Standard: USP30-NF25

Item	Specification
Characteristics	White or off-white hygroscopic, odorless powder
Specific rotation	$-0.5^{\circ} \sim +0.5^{\circ}$
Water	$\leq 4.0\%$
Heavy metals	$\leq 0.002\%$
Free aromatic Amine	$\leq 0.05\%$
Free iodine	The toluene layer shows no red or pink color
Free iodine	$\leq 0.001\%$
Ionic compounds	$\leq 0.01\%$
Limit of methanol	$\leq 0.005\%$
Isopropyl alcohol	$\leq 0.005\%$

Methoxyethano	≤0.002%
3-chloro-1,2-propanediol	≤0.0025%
Related Compounds	O-alkylated compounds ≤0.6% Any individual impurity ≤0.1% The sum of all impurities ≤0.3% (other than O-alkylated compounds)
Assay	98.0-102.0%

2 5-(Acetyl amino)N,N'-bis(2,3-dihydroxypropyl)-2,4,6-triiodo-1,3-benzenedicarboxamide

Structural Formula:



Molecular Formula: $C_{16}H_{20}I_3N_3O_7$

Molecular Weight: 747.06

CAS NO.: n/f

Packing: Outer package: Iron, plastic or fiber drum;

Inner package: Polyethylene bag;

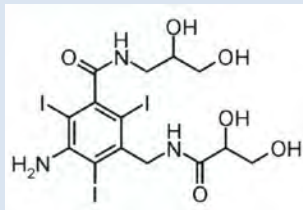
Net weight: 25kg/drum

Standard: In-house standard

Item	Specification
Characteristics	White off-white powder
Loss on drying	≤1.0%
Melting point	250.0°C-265.0°C
Assay(HPLC)	≥95.0%

3 5-Amino N,N'-bis(2,3-dihydroxypropyl)-2,4,6-triiodo-1,3-benzenedicarboxamide

Structural Formula:



Molecular Formula: $C_{14}H_{18}I_3N_3O_6$

Molecular Weight: 705.03

CAS NO.: 76801-93-9

Packing: Outer package: Iron, plastic or fiber drum;

Inner package: Polyethylene bag;

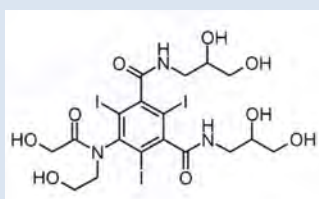
Net weight: 25kg/drum

Standard: In-house standard

Item	Specification
Characteristics	White or yellowish powder
Loss on drying	$\leq 1.0\%$
Related substances	Total impurity $\leq 2.0\%$
	Individual impurity $\leq 1.0\%$
Assay(HPLC)	$\geq 98.0\%$

4 Ioversol

Structural Formula:



Molecular Formula: $C_{18}H_{24}I_3N_3O_9$

Molecular Weight:807.11

CAS NO.: 87771-40-2

Packing:Outer package:Iron,plastic or fiber drum;

Inner package:Polyethylene bag;

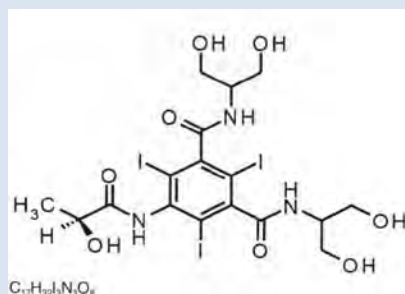
Net weight:25kg/drum

Standard:USP30-NF25

Item	Specification
Characteristics	White crystalline powder
Water	≤5.0%
Heavy metals	≤0.002%
Residue on ignition	≤0.1%
Free iodine	The toluene layer shows no red color
Free Iodide	≤0.02%
Related Compounds	loversol related compound A≤0.1% loversol related compound B≤0.50%
Assay	97.0-101.0%

5 Iopamidol

Structural Formula:



Molecular Formula: $C_{17}H_{22}I_3N_3O_8$

Molecular Weight:777.09

CAS NO.: 60166-93-0

Packing:Outer package:Iron,plastic or fiber drum;

Inner package:Polyethylene bag;

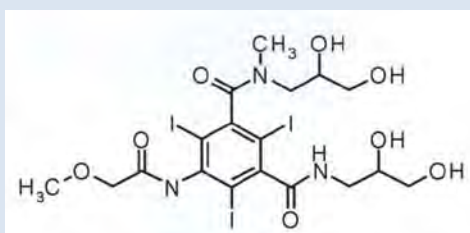
Net weight:25kg/drum

Standard:USP30-NF25

Item	Specification
Characteristics	White off white powder
Specific rotation	-4.6°~-5.2° (t=20°C, λ=436nm)
Loss on drying	≤0.5%
Heavy metals	≤0.001%
Residue on ignition	≤0.1%
Free aromatic amine	≤0.02%
Free iodine	The toluene layer shows no red color
Free iodide	≤0.001%
Free acid or alkali	5mg of hydrochloric acid/100g or 3mg of sodium hydroxide/100g
Related Compounds	Total impurity≤0.25%
Residual solvents	Meets the requirements
Assay	98.0~101.0%

6 Iopromide

Structural Formula:



Molecular Formula:C₁₈H₂₄I₃N₃O₈

Molecular Weight:791.12

CAS NO.: 73334-07-3

Packing:Outer package:Iron,plastic or fiber drum;

Inner package:Polyethylene bag;

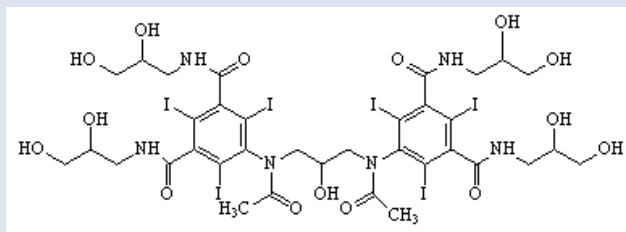
Net weight:25kg/drum

Standard:USP30-NF25

Item	Specification
Characteristics	White or off-white powder
Water	≤1.5%
Heavy metals	≤0.002%
Residue on ignition	≤0.1%
Free aromatic amine	≤0.1%
Free iodine	The toluene layer shows no red color
Free Iodide	≤0.002%
Limit of alcohol	≤0.4%
Iopromide related compound B	≤1.5%
Ordinary impurities	≤3.0%
Organic volatile impurities	
Isomer distribution	Between 40.0% to 51.0% of E1-and Z1- Between 49.0% to 60.0% of E2-and Z2-
Aassay	97.0%-102.5%

7 Iodixanol

Structural Formula:



Molecular Formula: $C_{35}H_{44}I_2N_6O_{15}$

Molecular Weight:1550.18

CAS NO.: 92339-11-2

Packing:Outer package:Iron,plastic or fiber drum;

Inner package:Polyethylene bag;

Net weight:25kg/drum

Standard:Current USP31

Item	Specification
Characteristics	White or almost white,amorphism,odorlessness, hygroscopicity powder.Water soluble
Specific rotation	Between-0.5°and +0.5°
Water	Not more than 4.0%
Heavy metals	Not more than 0.001%
Limit of Free iodide	Not more than 10µg/g
Free aromatic amine	Not more than 0.05%
Limit of calcium	Not more than 5µg/g
Limit of Ionic compounds	Not more than 0.02%
Solvent residues	Conforming
Related compounds	Conforming
Microbial limits	Not more than 100cfu/g
Assay(HPLC)	98.6%~101.0%

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